KAT®
PERCUSSION

multipad
Electronic Drum/Percussion Pad Sound Module
ktmp1

POWER

VALUE   01   SELECT

HI-HAT
AUX
PAD1   PAD2
PAD3   PAD4

TUNE
PAN
REVERB   REVB
ASSIGN   MIDI
LEVEL

VOLUME

KAT

Owner's Manual

GENERAL
MIDI

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received,
including interference that may cause undesired operation.

FCC COMPLIANCE NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not used in accordance with the instructions, may cause harmful interference to radio communications and there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient or relocate the receiving antenna, increase the separation between the equipment and receiver, connect the equipment into an outlet on a circuit different from that of the receiver. Consult the dealer or an experienced radio/TV technician if help is needed with interference.

NOTE: FMIC will not be responsible for unauthorized equipment modifications that could violate FCC rules, and/ or void product safety certifications.

CAUTION

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume nor ration by following the owner's manual. In case the function could not resume, please use the product in other location.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

Power Supply

Please connect the designated AC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet of voltage other than that for which your instrument is intended.

Unplug the AC power adaptor when not using the instrument, or during electrical storms.

Connections

Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

• Direct sunlight
• Extreme temperature or humidity
• Excessive dusty or dirty location
• Strong vibrations or shocks
• Close to magnetic fields

Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

Cleaning

Clean only with a soft, dry cloth.

Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling

Do not apply excessive force to the switches or controls.

Do not let paper, metallic, or other objects into the instrument. If this happens, unplug the AC adaptor from the wall outlet. Then have the instrument inspected by qualified service personnel.

Disconnect all cables before moving the instrument.
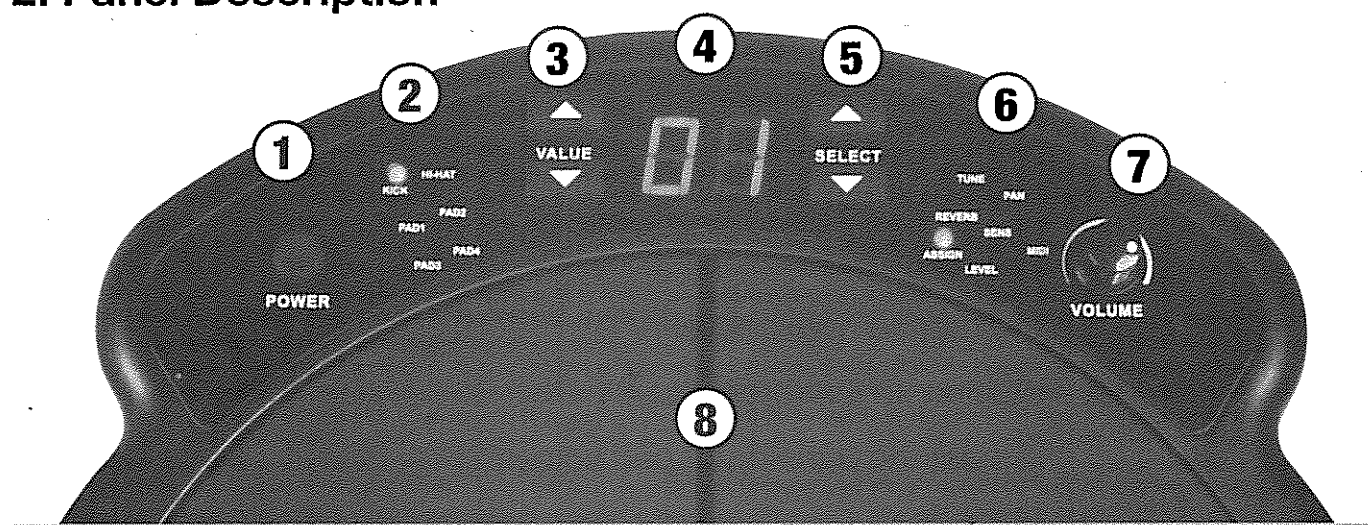
Contents

1. Overview

The KAT KTMP1 is a self-contained electronic percussion instrument with four drum pads, 50 sounds, audio and trigger I/O. The product is mountable using the included Module Mount or a standard snare drum stand for use in drum, percussion, and other performance setups.

The following is a list of the key features of the design:

- Portable compact drum pad unit with 50 high quality sounds
- Affordable and extremely versatile
- Four natural feel velocity sensitive rubber pads
- Hi-Hat and Bass Drum Pedal input allows you to play this as a drum kit
- Sounds can be tuned to your preference as well as panning and reverb control
- USB and MIDI output allows for PC connectivity to play parts right into your DAW or trigger external sound sources
- Ideal for stage and studio use

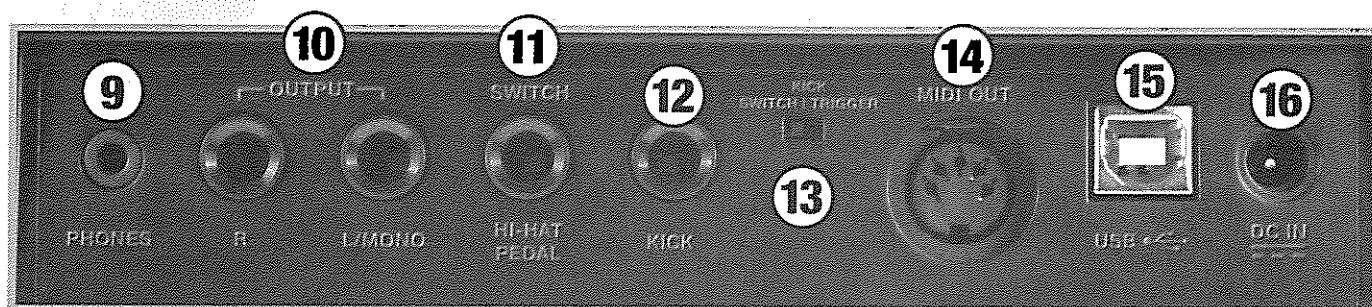# 2. Panel Description

2.1 Front Panel Description

1. **Power Button:**

    Press the button to turn the power on/off

2. **Drum Pad LED Display:**

    Indicates the pad you want to adjust

3. **[Value +] and [Value -] buttons:**

    Adjust the parameters, such as voice number, level, pan, tune, reverb, sensitivity, midi note

4. **LED Display:**

    2-Digi-LED

5. **[SELECT +] and [SELECT -] buttons:**

    Select the (mode) parameter you want to adjust

6. **Mode LED Display:**

    Indicates the mode you want to adjust

7. **Volume knob:**

    Adjust the main volume

8. **Drum Pads:**

    4 drum pads

AUTO POWER OFF:

The digital drum will automatically turn off the power if there is no operation after 30 minutes.
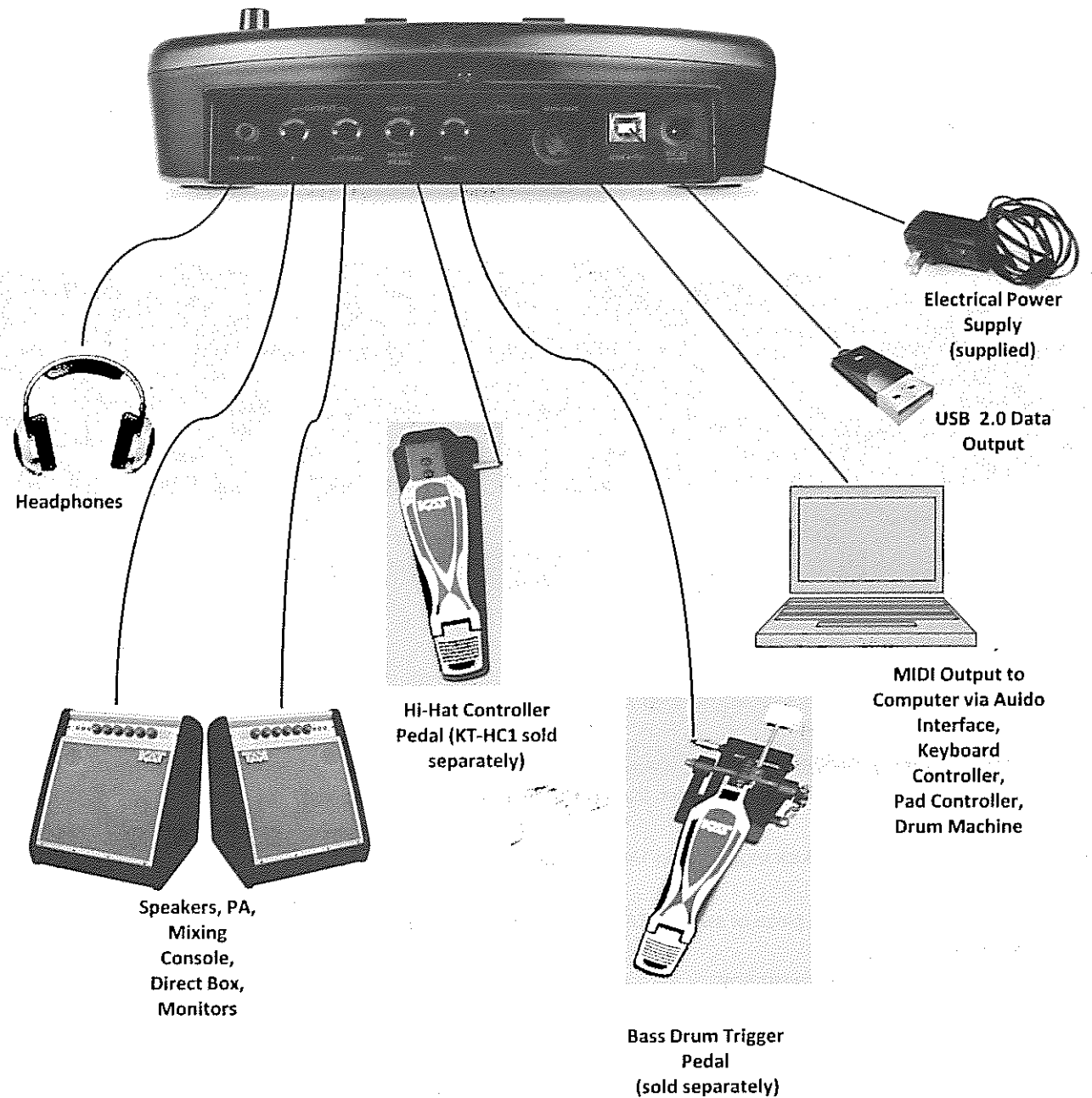
Press the [SELECT +] and [SELECT -] buttons and then turn on the power to switch off the auto power off function. It will display "oF" briefly.

2.2 Rear Panel Description

9. **[PHONE] Jack:**

    Connect to headphone.

10. **[LINE OUT] Output:**

    Connect to external AMP.

11. **[HI-HAT PEDAL] Jack:**

    Connect to a HI-HAT Pedal controller. (KAT KT-HC1 Pedal - Sold Seperately)

12. **[KICK] Jack:**

    Connect to external kick trigger using 1/4 mono cable.

13. **[KICK SEL] Switch:**

    Select the kick style, piezo or switch. (KAT Bass Drum Trigger - Sold Seperately)

14. **[MIDI OUT] Jack:**

    Connect to other MIDI DEVICE.

15. **[USB] Jack:**

    Connect to a computer that utilizes USB 2.0 *(Note - USB 3.0 may not be compatible.)*

16. **[DC IN] Jack:**

    DC IN 9V

Typical Plug-in Scenarios

Headphones

Speakers, PA,
Mixing
Console,
Direct Box,
Monitors

Hi-Hat Controller
Pedal (KT-HC1 sold
separately)

Bass Drum Trigger
Pedal
(sold separately)

Electrical Power
Supply
(supplied)

USB 2.0 Data
Output

MIDI Output to
Computer via Auido
Interface,
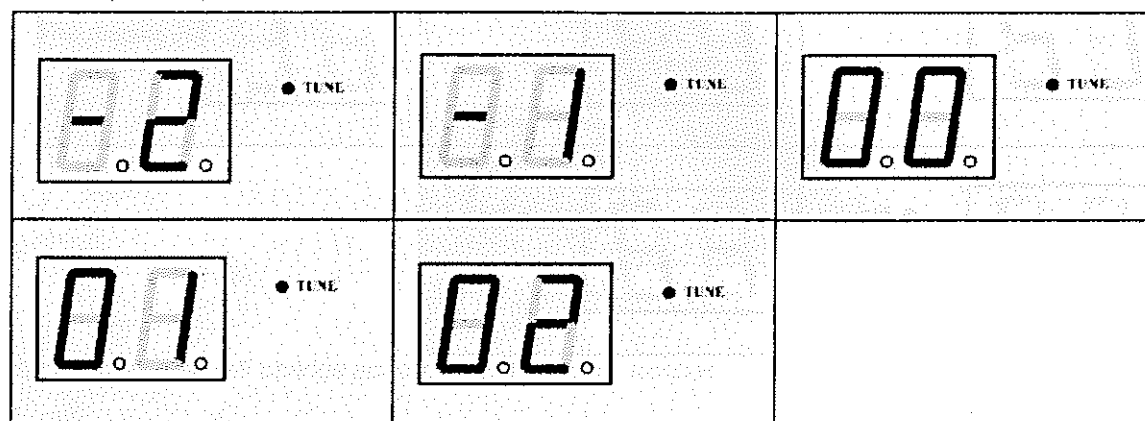Keyboard
Controller,
Pad Controller,
Drum Machine

3. Basic Operations

3.1 Adjust the pad voice tuning

Press: [SELECT+] or [SELECT-] button to select the tune mode, the TUNE LED will light up, when striking a pad, the 2-Digi-LED will display the tune level, press the [VALUE +] or [VALUE -] to adjust the tune level. [-4,-3,-2, -1, 00, 01, 02,03,04]
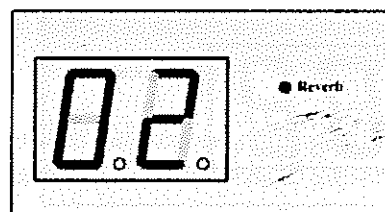
The display is:

3.2 Adjust the reverb level

Press: [SELECT+] or [SELECT-] button to select the reverb mode, the REVERB LED will light up, the 2-Digi-LED will display the reverb level, press [VALUE +] or [VALUE -] to adjust the reverb level. [0~10]
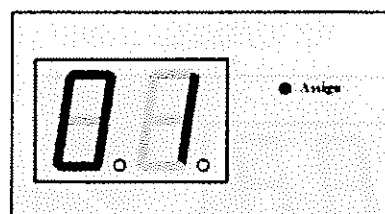
The display is:

3.3 Assign an instrument to a pad

Press: [SELECT+] or [SELECT-] button to select the pad assign mode, the ASSIGN LED will light up, when striking a pad, the 2-Digi-LED will display the voice number, press [VALUE +] or [VALUE -] button to adjust the voice number. [1~48, H1, H2] - *This is a cyclical menu.*
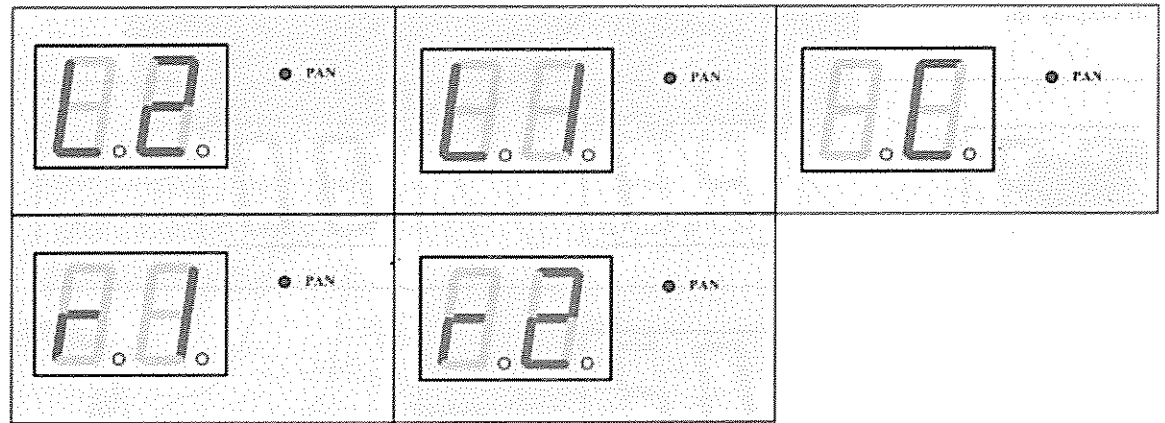
The display is:

Note: the midi note will change according to the voice number.

3.4 Adjust the panning of the pad voice

Press: [SELECT+] or [SELECT-] button to select the pan mode, the PAN LED will light up, when striking a pad, the 2-Digi-LED will display the pan level, press the [VALUE +] or [VALUE -] to adjust the pan level. [L4,L3,L2, L1, C, R1, R2,R3,R4]
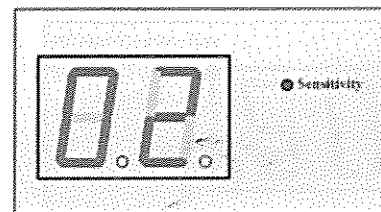
The display is:

3.5 Adjust the sensitivity of a pad

Press: [SELECT+] or [SELECT-] button to select the sensitivity mode, the SENSITIVITY LED will light up, when striking a pad, the 2-Digi-LED will display the sensitivity level, press the [VALUE +] or [VALUE -] to adjust sensitivity level. [1~8]
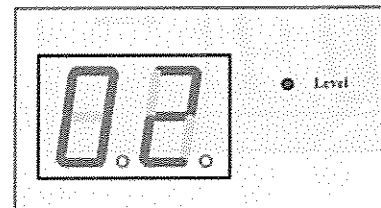
The display is:

3.6 Adjust the volume level of a pad

Press: [SELECT+] or [SELECT-] button to select the level mode, the LEVEL LED will light up, when striking a pad, the 2-Digi-LED will display the volume level, press [VALUE +] or [VALUE -] button to adjust the level. [0~10]
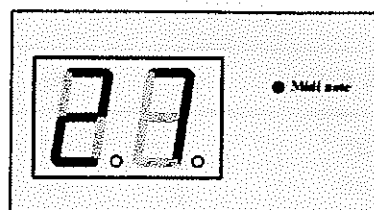
The display is:

3.7 Adjust the midi note of a pad

Press: [SELECT+] or [SELECT-] button to select the midi note mode, the MIDI NOTE LED will light up, when striking a pad, the 2-Digi-LED will display the midi note number, press the [VALUE +] or [VALUE -] to adjust the midi note number. [00~99]

The display is:

Note: the midi note will change according to the voice number.

3.8 Assign a pad to HI-HAT pad control

1. Enter HI-HAT function:

    1.1 Strike a pad (PAD1-4) to be assigned.

    1.2 Press [SELECT+] or [SELECT-] button to enter [ASSIGN] mode, the [ASSIGN] LED will light up;

    1.3 Press [VALUE+] or [VALUE-] button to select voice number (from 1 to 48,H1,H2).

The pad will be assigned to HI-HAT pad when the voice number is H1 or H2.

The open and close sounds of the Hi-Hat can now be controlled using the KAT KT-HC1 Hi-Hat Controller Pedal. (KT-HC1 Hi-Hat Controller - Sold Seperately)

2. When many pads are assigned to HI-HAT, The HI-HAT function only responds to the last pad that you assigned. The other pads respond to "Open Hi-HAT" when struck.

4. Appendixes

4.1 Voice List

Voice List:

No.	Name	Midi Note	No.	Name	Midi Note
1	Acoustic Bass Drum 1	36	26	Bongo High Slap	60
2	Acoustic Bass Drum 2	36	27	Bongo High	59
3	Dance Bass Drum 2	36	28	Bongo Low	61
4	Snare 1	38	29	Bongo Low Slap	50
5	Snare 2	38	30	Cascara	31
6	Rap Snare	40	31	Maracas	70
7	Cross Stick 1	40	32	Vibraslap	58
8	Crash 1	49	33	Tabla High	93
9	Ride 1	51	34	Tabla Tap	94
10	Tom 1	48	35	Tabla Low	95
11	Cross Stick 2	40	36	Shaker High	82
12	Finger Snaps	26	37	Shaker Mid	83
13	Wet Claps	39	38	Sleigh Bells	84
14	Dry Claps	39	39	Whistle	72
15	Triangle Hi	81	40	Chimes	85
16	Triangle Muted	80	41	Tambourine	54
17	Cowbell Hi	56	42	Claves	75
18	Cowbell Mid	57	43	High Effects 1	76
19	Cowbell Low	55	44	Low Effects 1	77
20	Timbale High	64	45	Timpani	89
21	Timbale Rimshot	65	46	Disk Jockey 1	90
22	Timbale Low	66	47	Disk Jockey 2	91
23	Conga High Open	63	48	Disk Jockey 3	92
24	Conga Low Open	67	H1	Acoustic Hi-Hat	46
25	Conga Slap	62	H2	Rap Hi-Hat	46

Kick

4.2 MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic Channels	Default Changed	10ch	10ch	
MODE	Default Messages Altered	x x x	x x x	
Note Number	True Voice	notes that the pads are assigned	notes that the pads are assigned	
Velocity	Note On Note Off	99H,V=1-127 99H,V=0	• •	
After Touch	Key's Ch's	x ×	x x	
Pitch Bend		×	×	
Control	120	×	•	All Sound Off
Program Change		×	×	
System Exclusive		×	×	
System Common	Song Position Song Select Tune	x x ×	x x x	
System Real Time	Clock Commands	x ×	x x	
Aux Messages	Local On/Off All Notes Off Active Sensing Reset	x x x x	x x x x	

• : YES
× : NO

10